



Attorney Docket No. 080398.P534C

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Patent Application of: )  
Rising, III. )  
Application No.: 10/735,162 )  
Filed: December 11, 2003 )  
For: Improved Techniques For Spatial )  
Representation Of Data And )  
Browsing Based On Similarity )

Mail Stop IDS  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is a copy of Information Disclosure Citation Form PTO-1449 together with copies of the documents cited on that form. It is respectfully requested that the cited documents be considered and that the enclosed copy of Information Disclosure Citation Form PTO-1449 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

Pursuant to 37 CFR § 1.98(d)(i) copies of the references are not provided herein as copies of the references were provided in prior application 09/220,614 filed December 24, 1998, from which this application claims priority.

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

08/23/2005 MBERHE 0000006 10735162

180.00 OP

01 FC:1806

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

37 C.F.R. §1.97(b).

37 C.F.R. §1.97(c). If so, then enclosed with this Information Disclosure Statement is one of the following:

A statement pursuant to 37 C.F.R. §1.97(e) or

A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).

37 C.F.R. §1.97(d). If so, then enclosed with this Information Disclosure Statement are the following:

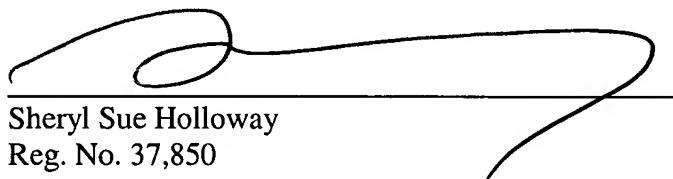
- (1) A statement pursuant to 37 C.F.R. §1.97(e); and
- (2) A check for \$180.00 for the fee under 37 C.F.R. §1.17(p) for submission of the Information Disclosure Statement.

If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: April, 19, 2005

  
Sheryl Sue Holloway  
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IPW

**FEE TRANSMITTAL FOR FY 2005**

Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

**TOTAL AMOUNT OF PAYMENT (\$)** 180.00**Complete if Known:**

Application No. 10/735,162  
Filing Date December 11, 2003  
First Named Inventor Rising, III  
Examiner Name T. Pardo  
Art Unit 2165  
Attorney Docket No. 080398.P534C

Applicant claims small entity status. See 37 CFR 1.27.

**METHOD OF PAYMENT** (check all that apply)

Check  Credit Card  Money Order  None  Other (please identify)

**Deposit Account**Deposit Account Number : 02-2666

Deposit Account Name: \_\_\_\_\_

The Director is Authorized to do the following with respect to the above-identified Deposit Account:  
Charge fee(s) indicated below.

Charge any additional fee(s) or underpayment of fee(s) during the pendency of this application.

Charge fee(s) indicated below except for the filing fee

Credit any overpayments.

Any concurrent or future reply that requires a petition for extension of time should be treated as incorporating an appropriate petition for extension of time and all required fees should be charged.

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Provide credit card information and authorization on PTO-2038.

**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

<u>Large Entity</u>	<u>Small Entity</u>	<u>Fee Description</u>	<u>Fees Paid (\$)</u>
Fee Code	Fee (\$)	Fee Code (\$)	
1011	300	2011 150	Utility application filing fee } 1,000/500
1111	500	2111 250	Utility search fee }
1311	200	2311 100	Utility examination fee }
1012	200	2012 100	Design application filing fee }
1112	100	2112 50	Design search fee }
1312	130	2312 65	Design examination fee }
1013	200	2013 100	Plant filing fee }
1113	300	2113 150	Plant search fee }
1313	160	2313 80	Plant examination fee }
1004	300	2004 150	Reissue filing fee }
1114	500	2114 250	Reissue search fee }
1314	600	2314 300	Reissue examination fee }
1005	200	2005 100	Provisional application filing fee }

**SUBTOTAL (1) \$** \_\_\_\_\_



**2. EXCESS CLAIM FEES**

<u>Extra Claims</u>				<u>Fee from below</u>	<u>Fees Paid (\$)</u>
<b>Total Claims</b>	<b>– 20 or HP =</b>			X \$50.00	= _____
HP = highest number of total claims paid for, if greater than 20					
<b>Independent Claims</b>	<b>– 3 or HP =</b>			X \$200.00	= _____
HP = highest number of independent claims paid for, if greater than 3					
<b>Multiple Dependent Claims</b>					= _____
<b>Large Entity</b>	<b>Small Entity</b>				
Fee Code	Fee (\$)	Fee Code	Fee (\$)	<b>Fee Description</b>	
1202	50	2202	25	Each claim over 20	
1201	200	2201	100	Each independent claim over 3	
1203	360	2203	180	Multiple dependent claims, if not paid	
1204	200	2204	100	Reissue: each claim over 20 and more than in the original patent	
1205	50	2205	25	Reissue: each independent claim more than in the original patent	
				<b>SUBTOTAL (2) \$</b>	_____

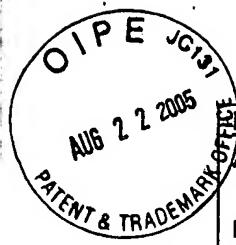
**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<u>Total Sheets</u>	<u>Extra Sheets</u>	<u>Number of each add'l 50 or fraction thereof</u>	<u>Fee from below</u>	<u>Fees paid (\$)</u>
_____	– 100 = _____ / 50 = _____ (round up to whole number)	X \$250.00	_____	

<u>Large Entity</u>	<u>Small Entity</u>	<u>Fee Description: Application size fee for each additional group of 50 sheets beyond initial 100 sheets (count spec &amp; drawings except sequences &amp; program listings):</u>
Fee Code	Fee (\$)	Fee Description: Application size fee for each additional group of 50 sheets beyond initial 100 sheets (count spec & drawings except sequences & program listings):
1081	250	Utility
1082	250	Design
1083	250	Plant
1084	250	Reissue

**SUBTOTAL (3) \$ 0.00**



## FEE CALCULATION (continued)

## 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Large Entity	Small Entity		Fees Paid (\$)
Fee	Fee	Fee	
Code	(\$)	Code	(\$)
1051	130	2051	65
1052	50	2052	25
1053	130	1053	130
1812	2,520	1812	2,520
1813	8,800	1813	8,800
1804	920*	1804	920*
1805	1,840*	1805	1,840*
1251	120	2251	60
1252	450	2252	225
1253	1,020	2253	510
1254	1,590	2254	795
1255	2,160	2255	1,080
1401	500	2401	250
1402	500	2402	250
1403	1,000	2403	500
1451	1,510	1451	1,510
1452	500	2452	250
1453	1,500	2453	750
1501	1,400	2501	700
1502	800	2502	400
1503	1100	2503	550
1462	400	1462	400
1463	200	1463	200
1464	130	1464	130
1807	50	1807	50
1806	180	1806	180
8021	40	8021	40
1809	790	2809	395
1814	130	2814	65
1810	790	2810	395
1801	790	2801	395
1802	900	1802	900
1504	300	1504	300
1505	300	1505	300
1803	130	1803	130
1808	130	1808	130
1454	1,370	1454	1,370

## Fee Description

Surcharge - late filing fee or oath	_____
Surcharge - late provisional filing fee or cover sheet	_____
Non-English specification	_____
For filing a request for ex parte reexamination	_____
Request for inter partes reexamination	_____
Requesting publication of SIR prior to Examiner action	_____
Requesting publication of SIR after Examiner action	_____
Extension for reply within first month	_____
Extension for reply within second month	_____
Extension for reply within third month	_____
Extension for reply within fourth month	_____
Extension for reply within fifth month	_____
Notice of Appeal	_____
Filing a brief in support of an appeal	_____
Request for oral hearing	_____
Petition to institute a public use proceeding	_____
Petition to revive – unavoidable	_____
Petition to revive - unintentional	_____
Utility issue fee (or reissue)	_____
Design issue fee	_____
Plant issue fee	_____
Petitions to the Commissioner (CFR 1.17(f) Group I)	_____
Petitions to the Commissioner (CFR 1.17(g) Group II)	_____
Petitions to the Commissioner (CFR 1.17(h) Group III)	_____
Processing fee under 37 CFR 1.17(q)	_____
Submission of Information Disclosure Stmt	\$180.00
Recording each patent assignment per property (times number of properties)	_____
For filing a submission after final rejection (see 37 CFR 1.129(a))	_____
Statutory Disclaimer	_____
For each additional invention to be examined (see 37 CFR 1.129(b))	_____
Request for Continued Examination (RCE)	_____
Request for expedited examination of a design application	_____
Publication fee for early, voluntary, or normal pub.	_____
Publication fee for republication	_____
Request for voluntary publication or republication	_____
Processing fee under 37 CFR 1.17(i) (except provisionals)	_____
Acceptance of unintentionally delayed claim for priority	_____

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

SUBTOTAL (4) \$ \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

## SUBMITTED BY:

Typed or Printed Name: Sheryl Sue HollowaySignature: [Signature] Date: AUG. 19, 2005Reg. Number: 37,850 Telephone Number: 408-720-8300

Send to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

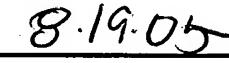


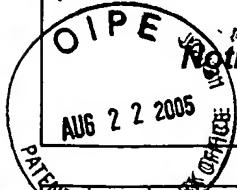
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Carla Anysia Nascimento

  
Date



## Notice of References Cited

Application/Control No.	Applicant(s)/Patent Under Reexamination	
09/220,614	RISING, HAWLEY K.	
Examiner	Art Unit	
Thuy Pardo	2175	Page 1 of 1

### U.S. PATENT DOCUMENTS

*	TRADEMARK OFFICE	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-5,963,956	10-1999	Smartt	707/104
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

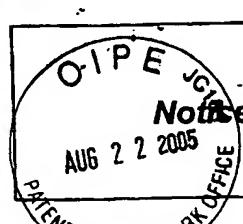
### FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

### NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
*	U	Petrakis, "Similarity Searching in Medical Image Databases", IEEE, 1997, pp. 435-447
*	V	Rehrauer et al., "Multiscale Markov Random Fields for Large Image Datasets Representation", IEEE, 1997, pp. 255-257
*	W	Yang et al., "MB+-Tree: A New Index Structure for Multimedia Databases", IEEE, 1995, pp. 151-158
*	X	Hou et al., "Medical Image Retrieval by Spatial Features", IEEE, 1992, pp. 1364-1369

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

	Application/Control No.	Applicant(s)/Patent Under Reexamination	
	09/220,614	RISING, HAWLEY K.	
	Examiner	Art Unit	Page 1 of 1
	Thuy Pardo	2175	

## U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
A	US-5,710,916	01-1998	Barbara et al.	709/9
B	US-5,832,182	11-1998	Zhang et al.	706/50
C	US-6,148,295	11-2000	Megiddo et al.	707/3
D	US-6,161,105	12-2000	Kelghan et al.	707/100
E	US-6,263,334	07-2001	Fayyad et al.	707/5
F	US-6,289,354	09-2001	Aggarwal et al.	707/104
G	US-6,446,068	09-2002	Kortge	707/6
H	US-6,047,080	04-2000	Chen et al.	382/128
I	US-			
J	US-			
K	US-			
L	US-			
M	US-			

## FOREIGN PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
N					
O					
P					
Q					
R					
S					
T					

## NON-PATENT DOCUMENTS

*	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)		
U	Agrawal et al., "Modeling Multidimensional Databases", IEEE, 1997, pp. 232-243		
V	Kao et al., "Efficient Proximity Search in Multivariate Data", IEEE, July 1998, pp. 145-154		
W	Plamsa-nga et al., "A Parallel Model for Multimedia Database on Cluster System", IEEE, July 1998, pp. 648-652		
X			

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Data in MM-YYYY format are publication dates. Classifications may be US or foreign.

<i>Office of References Cited</i>	Applicant/Patent	Application/Control No.	
	Rising III	09/220,614	
Examiner	Thuy Pardo	Art Unit	Page 1 of 1

AUG 22 2005

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Document Number Country Code-Number-Kind Code	Date MM-YYYY <sup>1</sup>	Name	Classification <sup>2</sup>	
A 4,719,571	1/1988	Rissanen et al.	707	101
B 5,553,304	9/1996	Lipner et al.	707	100
C 5,857,169	1/1999	Seide	704	256
D 5,912,989	6/1999	Watanabe	382	228
E 5,974,407	10/1999	Sacks	707	2
F 5,987,468	11/1999	Singh et al.	707	100
G 6,088,035	7/2000	Sudarsky et al.	345	421
H 6,102,969	8/2000	Christianson et al.	717	8
I 6,233,575	5/2001	Agrawal et al.	707	6
J 6,279,007	8/2001	Uppala	707	101
K				
L				
M				

#### FOREIGN PATENT DOCUMENTS

	Document Number Country Code-Number-Kind Code	Date MM-YYYY <sup>1</sup>	Country	Name	Classification <sup>2</sup>
N					
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#### NON-PATENT DOCUMENTS

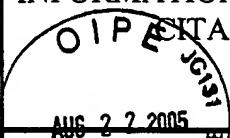
	Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages
U	
V	
W	
X	

<sup>1</sup> A copy of this reference is not being furnished with this Office action. See MPEP § 707.05(a).

<sup>1</sup> Dates in MM-YYYY format are publication dates.

<sup>2</sup> Classifications may be U.S. or foreign.

## INFORMATION DISCLOSURE



Docket No.: 50M3007 Sheet 1 of 2  
 Serial No. : 09/220,614  
 Filing Date: 12/24/98 Group: 2771  
 Applicant: Hawley K. Rising, III

## U. S. PATENT DOCUMENTS

Exam. Init.	Document Number	Date	Name	Class	Filing Date

## FOREIGN PATENT DOCUMENTS

Exam. Init.	Document Number	Date	Country	Class	Translation

## OTHER DOCUMENTS/CITATIONS

	Berchtold, S., D. Keim, and H.-P. Kriegel. "The X-tree: An Index Structure for High Dimensional Data." Proc. 22 <sup>nd</sup> VLDB Conference, Mumbai (Bombay), India, 1996.
	Berchtold, S., C. Bohm, and H.-P. Kriegel. "The Pyramid Technique: Towards Breaking the Curse of Dimensionality." Proc. Int. Conf. On Management of Data, ACM SIGMOD, Seattle, Washington, 1998.
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INFORMATION DISCLOSURE  
CITATION

Docket No.: 50M3007 Sheet 2 of 2  
Serial No. : 09/220,614  
Filing Date: 12/24/98 Group: 2771  
Applicant: Hawley K. Rising, III

	Fetter, A.L. and J.D. Walecka. <i>Theoretical Mechanics of Particles and Continua</i> . New York: McGraw-Hill, 1980.
	Guy, G. and G. Medioni. "Inferring Global Perceptual Contours from Local Features." <i>Int. J. Comp Vision</i> 20(1/2), 113-133, 1996.
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	Rising, H.K. "Generalizing a fuzzy edge detection model with Radon transforms." unpublished. (Accepted for <i>IEEE FUZZ'98</i> , withdrawn because of non-attendance).
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	Tversky, A. "Features of Similarity." <i>Psychological Review</i> , v. 84, no. 4, 1977, pp. 327-352.

EXAMINER:

DATE CONSIDERED:



INFORMATION DISCLOSURE CITATION		Docket No.: 50M3007 Sheet 1 of 1 Serial No. : 09/220,614 Filing Date: December 24, 1998 Group: Unknown Applicant: Hawley K. Rising, III			
U. S. PATENT DOCUMENTS					
Exam. Init.	Document Number	Date	Name	Class	Filing Date
	5,193,185	03/09/93	Lanter	395/600	05/15/89
	5,442,784	08/15/95	Powers et al.	395/600	06/17/93
	5,574,835	11/12/96	Duluk, Jr. et al.	395/121	11/02/95
	5,832,494	11/03/98	Egger et al.	707/102	05/17/96
	5,978,794	11/02/99	Agrawal et al.	707/3	04/09/96
FOREIGN PATENT DOCUMENTS					
Exam. Init.	Document Number	Date	Country	Class	Translation
OTHER DOCUMENTS/CITATIONS					
EXAMINER:	DATE CONSIDERED:				